



Identification	Type Part-No.	LCIS-WAF-0511-62-S 750511.0000
Description	Input: 0–10 V / 0–20 mA / 4–20 mA Output: 0–10 kHz Insulation: 2.5 kV, 3-way isolation	
Input	Input signal 0–10 V, 0–20 mA, 4–20 mA, adjustable via DIP switch S1 Input variable Analogue signals Galvanic isolation I/O 3-way isolation Zero /Span Production comparison Input resistance >330 kΩ @ 0–10 V, <100 Ω @ 0–20 mA, 4–20 mA	
Output	Output signal 0–50 Hz, 0–100 Hz, 0–1 kHz, 0–10 kHz adjustable via DIP switch S1 Signal level DC 24 V (DIN EN 61131-2) Type 1: ≥ 15 V (@ 2 mA) Type 2: ≥ 11 V (@ 6 mA)	
Operating data	Accuracy 0.1 % FSR @ 23 °C Linearity error 0.05 % FSR	

13.02.2020 – Subject to technical modification

Part-No. 750511.0000

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA

Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223

www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park

Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU

Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2

www.lutze.com • sales.gb@lutze.co.uk



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Rise time (10 - 90%)	frequency-dependent
Build-up time (Accuracy 1%)	frequency-dependent
Temperature coefficient	<150 ppm / K FSR
Critical frequency	30 Hz @ 3 dB

General

Rated voltage U_N	AC/DC 24 V
Operation voltage range	AC 19.2–26.4 V / DC 18.0–31.2 V
Current Consumption	at AC 24V: 26 mA (station supply)
Status indication	LED green
Input/output protection	Overvoltage, current input with PTC fuse, short circuit-proof output
Insulation voltage input / output	2.5 kV _{eff}
Housing material	PA 6.6 (UL 94 V-0, NFF I2, F2)
Color of the housing	RAL 7012 basalt grey
Mounting	DIN rail mountable TS35 (EN 60715)
Protection class	IP20
Installation position	any
Connection type	Screwed terminal single wire 0.25 mm ² –2.5 mm ² / AWG 20–14 fine stranded wire with ferrule 0.25 mm ² –1.5 mm ² / AWG 20–16
Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +85 °C
Dimensions (w × h × d)	6.2 × 93.0 × 73.0 mm
Weight	0.029 kg/piece
PU	1 piece
Certifications	cULus (E135145) DNV GL
Standards	EN 60947-5-1
PU	1 piece

Failure Rate Prediction (MTBF)

Standards	Electronic components – Reliability – Reference conditions for failure rates and stress models for conversion: EN/IEC 61709 Failure Rates of Components – Expected values: SN 29500
Failure rate at +45 °C	667 fit
Failure rate at +45 °C	1498305 h 1 fit equals one failure per 10 ⁹ component hours The indicated temperature is the mean component ambient temperature.

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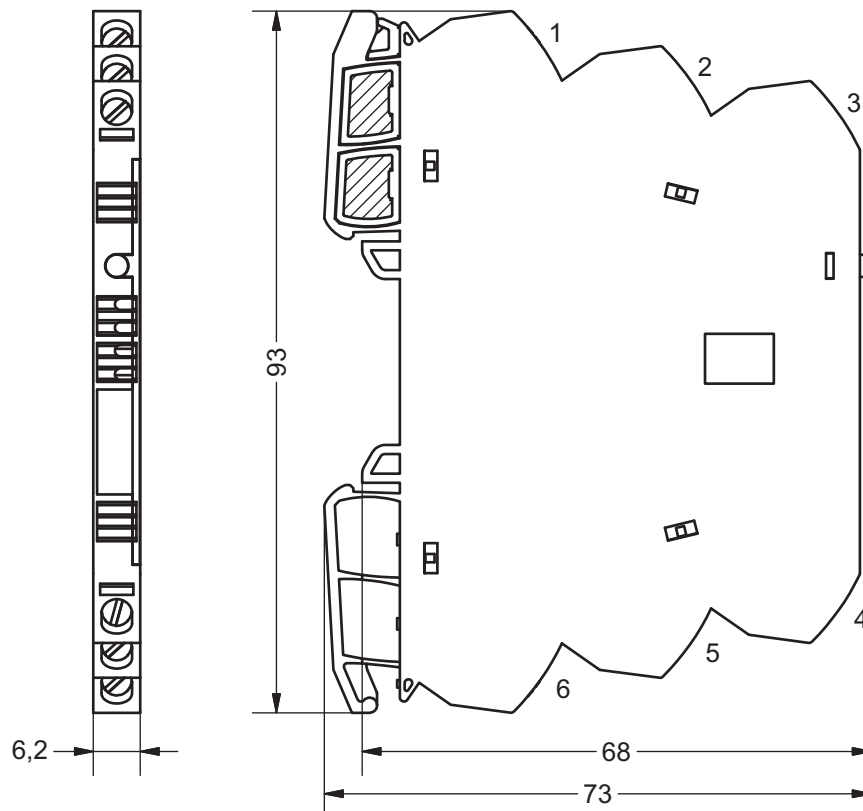
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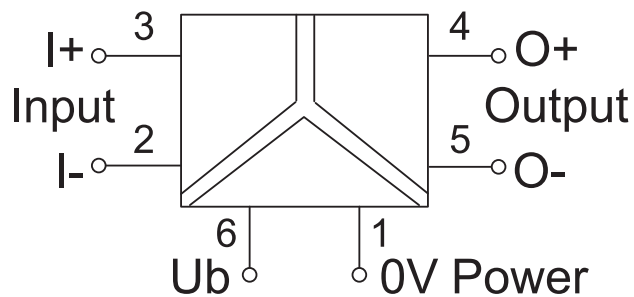
Comments

The results are valid under following conditions:
Automotive environment or industrial areas without extreme dust levels and harmful substances
Continuous operation 8760 h per year

Dimensions



PIN assignment



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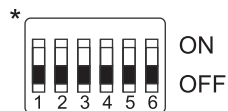
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Range adjustment

S1	Input
●→Switch On	1 2 3 4
0-10 V*	●
0-20 mA	●
4-20 mA	●

S1	Output
●→Switch On	5 6
0-50 Hz*	
0-100 Hz	●
0-1000 Hz	●
0-10000 Hz	●



Default (1-6 = OFF)

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